

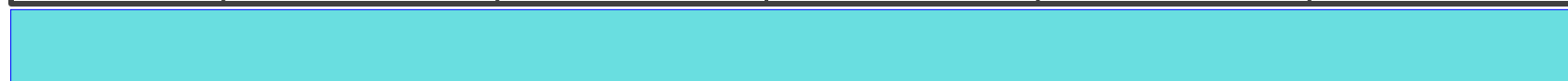
# UNIT 2 DRAFT 2017 CALENDAR: Subunit 1: Molecular and Cell Biology Version 28

Week 1

Total hrs = 18.5

Hour count (A/B)  
(Not including ASYNCH)

		4.5	5.0	5.5	3.5	
	Monday 10/9	Tuesday 10/10	Wednesday 10/11	Thursday 10/12	Friday 10/13	
9:00 a.m.	<b>Columbus Day</b>					
9:30 a.m.	N O N C L A S S E S	Intro to Unit 2 and Intro to IPAC and Clinical Skills M.W. and R. Ovitsh 6		Mendelian Inherit., Pop. Genetics, and Linkage Analysis	Non-Mendelian Inheritance M. Feuerman 102	
10:00 a.m.			RNA: Transcription, splicing and Translation G. Gick 9	M Feuerman 11	Signal transduction G. Gick 21	
10:30 a.m.						
11:00 a.m.		DNA: Struct & Func of the Genome M Feuerman 8		POPS: Enzymes: Classification, Energetics, and Kinetics		
11:30 a.m.			Embryologic Basis of Congenital Dis.: Early Development Eisner/ Lahage 108	Penington/Rushbrook 32		
12:00 p.m.						
12:30 p.m.					Embryologic Basis of Congenital Dis.: Musc./Skel System Eisner/????? 109	
1:00 p.m.			Cytoskeleton and Cellular Motility J. Scalia 22		Protein Trafficking W. Chirico 19	
1:30 p.m.				Protein Folding Diseases Part 1: Protein Basics W. Chirico 3		
2:00 p.m.			Cytogenetics M. Feuerman 139	Protein Folding Diseases Part 2: Protein Folding W. Chirico 5	Reg. of Gene Expression G. Gick 10	
2:30 p.m.						
3:00 p.m.						
3:30 p.m.						
4:00 p.m.						
4:30 p.m.						



# UNIT 2 DRAFT 2017 CALENDAR: Subunit 2: Metabolism

Week 2

Total hrs = 25.5

Hour count (A/B)  
(Not including ASYNCH)

6.5

6.0

5.0

5.0

3.0

	Monday 10/16		Tuesday 10/17		Wednesday 10/18		Thursday 10/19		Friday 10/20	
9:00 a.m.	Intro to Subunit 2 N. Penington									
9:30 a.m.	Intro to Path lab J. Libien 70						POPS: Glycol. and Glycog.	PBL: Vera MK session Half I N. Penington		
10:00 a.m.	PBL: Vera	LAB: Cellular Response to Injury and Thrombosi s	Carbohydrate Metabolism 1: Glycolysis and Gluconeogenesis N. Penington 143		Carbohydrate Metabolism 2: Glycogen Metab., Pent. Ph. Path. N. Penington 228		Penington & Lahage	Half 1 28	Half I N. Penington 39	Oxidative Phosphorylation
10:30 a.m.	CS Session									N. Penington 42
11:00 a.m.	Adherence		Multifactorial Inheritance M. Feuerman 73		Intro to Concepts in Nutrition M. Markell 51					
11:30 a.m.	38	S. Gottesman 100								Fat Absorption and Transport
12:00 p.m.							Mitochondria & the TCA Cycle			M. Hussain 46
12:30 p.m.							N. Penington 40			Fatty Acid Synthesis, Storage, & Oxidation
1:00 p.m.			CS lab #3: Soc. Determ'ts of Health (in Diabetes) 126		CS lab #3: Soc. Determ'ts of Health (in Diabetes) 126					M. Hussain 47
1:30 p.m.				iPAC Group A 121		iPAC Group B 121				
2:00 p.m.							PBL: Vera MK session Half II N. Penington 39	POPS: Glycol. and Glycog. Penington & Lahage Half 2 28		
2:30 p.m.	LAB: Cellular Response to Injury and Thrombosi s	PBL: Vera								
3:00 p.m.		CS Session								
3:30 p.m.		Adherence								
4:00 p.m.	S. Gottesman	38								
4:30 p.m.										

100

[132]: Standard Deviation/Frequency Distribution ●

[132b} Std. Deviation and P value ●

[016] Nutrition: Self-Assessment

# UNIT 2 DRAFT 2017 CALENDAR: Subunit 2: Metabolism

Week 3

Total hrs = 24.5

Hour count (A/B)  
(Not including ASYNCH)

4.5

6.0

5.0

6.0

3.0

	Monday 10/23	Tuesday 10/24	Wednesday 10/25	Thursday 10/26	Friday 10/27
9:00 a.m.	Metabolism of Amino Acids				
9:30 a.m.	E. Quadros 53			POPS: PBL: Vera	
10:00 a.m.	Small Group:	Nitrogen Metabolism: Urea Cycle and its Disorders	Metabolic Integration of Vitamins B12/Folate and Nucleotides	Urea Cycle	Patient Presentation: Pt. with Diabetes
10:30 a.m.	Patient Perspective	E. Quadros 116	E. Quadros 226	Penington/ Quadros	R. Ovitsh 114
11:00 a.m.	45	POPS:	Reg of insul & gluca, gluco homeo	52	Vesicular Trafficking
11:30 a.m.	●	Inborn Errors in Amino Acid Metabolism	H. Lebovitz 49	Integrat. of Metab & Vitamins: pathways working together.	W. Chirico 20
12:00 p.m.		Quadros/Penington		Markell/Feuerman 57	
12:30 p.m.	Student Interviews of Simulated Patients	54			
1:00 p.m.	56 students				Sphingolipids & Lyso. Storage Diseases
1:30 p.m.				Cell Membranes	J. Rushbrook 43
2:00 p.m.		IPAC		M. Wagner 37	
2:30 p.m.	Small Group:		IPAC	PBL: Vera	POPS: Urea Cycle
3:00 p.m.	Patient Perspective			MK sess	Penington/ Quadros
3:30 p.m.				N. Penington	52
4:00 p.m.	45			50	
4:30 p.m.	Student SP Interviews				
	12				

students  
[134]: Retrospective Cohort Confidence Interval ●  
[133a]: MM5 --- In and Out of Network Care ●

# UNIT 2 DRAFT 2017 CALENDAR: Subunit 3: Neoplasia

Week 4

Total hrs = 23.5

Hour count (A/B)

(Not including ASYNCH)

7.0

6.0

3.0

6.0

1.5

	Monday 10/30		Tuesday 10/31		Wednesday 11/1		Thursday 11/2		Friday 11/3	
9:00 a.m.	Intro. To Neoplasia Subunit S. Blain 93									
9:30 a.m.	Intro to Neoplasia lab K. Loukeris 076		Hallmarks of Cancer		Hallmark 4: Immortality, Altered Metab. & Genetic Instability of Cancer Cells			PBL: Mr Palter		
10:00 a.m.	PBL: Mr. Palter	Path Lab: Neoplasia I	S. Blain 61		S. Blain 90			MK session	Hallmark 6: Tissue Invasion and Metastasis	
10:30 a.m.	CS session	S. Gottesman						M. Wagner	M. Wagner 79	
11:00 a.m.	59							HALF 1		
11:30 a.m.	HALF 1	HALF 2	Hallmarks 1 and 2: Prolif. of Cancer Cells independent of Growth Control Signals		Hallmark 3: Evading Apoptosis			64		
12:00 p.m.	●	75			P. Bergold 63					
12:30 p.m.			S. Blain 60				Hallmark 5: Sustained Angiogenesis		Linking Environmental Causes of Cancer to the Hallmarks	
1:00 p.m.							M. Wagner 78		S. Blain 74	
1:30 p.m.	Introduction to Neoplasia									
2:00 p.m.	A. Leaf 91		iPAC	Histo Lab:	iPAC	Histo Lab:				
2:30 p.m.	Path Lab: Neoplasia I	PBL: Mr. Palter	Group A	Skin	Group B	Skin	PBL: Mr Palter			
3:00 p.m.	S. Gottesman	CS session	123	B. Chaqour 104	123	B. Chaqour 104	MK session			
3:30 p.m.		59	HALF 1	HALF 2	HALF 2	HALF 1	M. Wagner			
4:00 p.m.	HALF 1	HALF 2	●		●		HALF 2			
4:30 p.m.	75	●					64			

[131]: Introduction to Screening ●  
[135]: Screening in Practice (Part 2) ●

[135]: Screening in Practice (Part 1) ●  
[136]: Number Needed to Screen ●

# UNIT 2 DRAFT 2017 CALENDAR: Subunit 3: Neoplasia

Week 5

Total hrs = 19.5

Hour count (A/B)  
(Not including ASYNCH)

6.0

5.0

3.0

3.5

2.0

	Monday 11/6		Tuesday 11/7		Wednesday 11/8		Thursday 11/9		Veterans Day Friday 11/10	
9:00 a.m.										
9:30 a.m.					Bone and Cartilage Tumors			PBL: Mr. Palter		
10:00 a.m.	Path Lab: Neoplasia II	PBL: Small Group: Prevention and Screening	Guest Lecture: Mr. Rick Guidotti "Positive Exposure: Seeing Beyond Diagnosis" 304		Dr. V. Vigorita 120 Treatment of Cancer			MK sess M. Wagner 140	Hemoglobin Y. Zhang 18	
10:30 a.m.	S. Gottesman				M. Wagner 89				Reg. of Hematopoiesis J. Gonsky 15	
11:00 a.m.	101	62	POPS: Mechanisms of carcinogenesis				POPS: Treatment of cancer			
11:30 a.m.		●	M. Wagner / S. Blain 118		Hallmarks review S. Blain 80		M. Wagner / S. Blain 144			
12:00 p.m.	Basic Concepts in Dermatology									
12:30 p.m.	Dr. S Glick 83	●								
1:00 p.m.										
1:30 p.m.										
2:00 p.m.			IPAC		CS Lab #2: Dermatology	CS Lab #2: IPAC				
2:30 p.m.	PBL: Small Group: Prevention and Screening	Path Lab: Neoplasia II			Dermatology		PBL: Mr. Palter			
3:00 p.m.							MK sess			
3:30 p.m.	S. Gottesman 62	S. Gottesman 101			128	128	M. Wagner 140			
4:00 p.m.	●				●	●				
4:30 p.m.										

[133b] MM5: Cost of Funding for Screening ●  
[137]: Prospective Cohort and Case Control Studies ●

# UNIT 2 DRAFT 2017 CALENDAR: Subunit 4: Hematology

Week 6

Total hrs = 23.5

Hour count (A/B)  
(Not including ASYNCH)

5.0

6.0

3.5

5.5

3.5

	Monday 11/13		Tuesday 11/14		Wednesday 11/15		Thursday 11/16		Friday 11/17	
9:00 a.m.	Intro to Human Development ●		Evaluation of Anemia		Hemostasis and H' static Disorders I					
9:30 a.m.	H. Huberman 92		C. Luhrs 105		S. Kang 23		Heme Lab:	PBL: Theodora and Charles		
10:00 a.m.	PBL Sm. Group		Fe Deficiency and Excess		Hemostasis and H' static Disorders II		Microcytic and Macrocytic Anemia	MK session	Hemoglobinopathies	
10:30 a.m.	T and C Couple seeking Genetic Counseling		C. Luhrs 107		S. Kang 25		C. Luhrs 14	HALF 1	Y. Zhang 110	
11:00 a.m.	HALF 1							2		
11:30 a.m.	● 1		Megalobl. Anemia Vit B12 & Folate		POPS: Hemoglobin and O <sub>2</sub> Binding		Hemolytic Anemia		POPS: Hemostasis	
12:00 p.m.			C. Luhrs 103		Y. Zhang 12		C. Luhrs 72		S. Kang 141	
12:30 p.m.										
1:00 p.m.										
1:30 p.m.	Human Development: Newborn and Infant									
2:00 p.m.	H. Huberman ● 119		iPAC	CS Lab #1: Human Develop. (Infant)	iPAC	CS Lab #1: Human Develop. (Infant)				
2:30 p.m.		PBL Sm. Group	Group A	Group B 1.5 hr.'s/student	Group B	Group A 1.5 hr.'s/student	PBL: Theodora and Charles	Heme Lab: Microcytic and Macrocytic Anemia		
3:00 p.m.		T and C Couple seeking Genetic Counseling	125	122A ●	125	122B ●	MK session	C. Luhrs 14		
3:30 p.m.			HALF 1		HALF 2		HALF 2			
4:00 p.m.		● 1					2			
4:30 p.m.			●		●	●				

[138] Probability Part1 ●

[138] Probability Part 2 ●

[138] Probability Part 3 ●

# UNIT 2 DRAFT 2017 CALENDAR: Subunit 4: Hematology

Week 7

Total hrs = 10.0

Hour count (A/B)  
(Not including ASYNCH)

6.0

4.0

	Monday 11/20		Tuesday 11/21		Wednesday 11/22	Thursday 11/23	71 Friday 11/24	
9:00 a.m.								
9:30 a.m.				PBL:		T h a n k s g i v i n g	T h a n k s g i v i n g	
10:00 a.m.	Small. Group:	Heme Lab:	Theodora and Charles	S t u d y  D a y				
10:30 a.m.	Ethical Foundations of the Medical Profession	Hemolytic Anemia & Thrombocy topenia C. Luhrs	MK sess. 4					
11:00 a.m.								
11:30 a.m.	● 095	71						
12:00 p.m.			POPS:					
12:30 p.m.			Thrombosis					
1:00 p.m.	Thrombosis and Thrombotic Disorders		S. Kang	111				
1:30 p.m.	S. Kang	24						
2:00 p.m.								
2:30 p.m.	Heme Lab:	Small. Group:	PBL:					
3:00 p.m.	Hemolytic Anemia & Thrombocy topenia C. Luhrs	Ethical Foundations of the Medical Profession	Theodora and Charles					
3:30 p.m.			MK sess. 4					
4:00 p.m.	71	● 095						
4:30 p.m.								

[130]: MM4 Costs of Genetic Testing ●

# UNIT 2 DRAFT 2017 CALENDAR: Subunit 5: Immune System and its Malignancies

Week 8

Total hrs = 19.5

Hour count (A/B)  
(Not including ASYNCH)

4.0

5.5

3.0

4.0

3.0

	Monday 11/27		Tuesday 11/28		Wednesday 11/29		Thursday 11/30		Friday 12/1	
9:00 a.m.	CS IL: Cultural Competence ●									
9:30 a.m.	T. Taylor 115				POPS:					
10:00 a.m.	Small Group:		Drug Receptor Interactions		Pharmacokinetics of Asthma Treatment		Components of the Immune system		Ig Genes, their Rearrangement, and B Cell Development	
10:30 a.m.	Culture & Medicine		N. Penington 113		T. Sacktor/N. Penington		R. Coico 240		C. Roman 246	
11:00 a.m.	●	55			68		Assessment Week Overview		MHC Restriction and Ag Presentation	
11:30 a.m.			Drug Metabolism & Pharmacogenetics		Introduction to the Immune System		Wagner, Ovitsh 84		R. Coico 253	
12:00 p.m.	Human Development: Toddler ●		P. Bergold		R. Coico 238					
12:30 p.m.	H. Huberman 112		41							
1:00 p.m.							Innate Immunity		T Cell Development	
1:30 p.m.	Pharmacokinetics						R. Coico 242		E. Hsu 248	
2:00 p.m.	T. Sacktor 67		iPAC	CS Lab #2	iPAC	CS Lab #2	Antibodies and Antigens			
2:30 p.m.		Small Group:	Group B	Human Development	Group A	Human Development	C. Roman 244			
3:00 p.m.		Culture & Medic.		(Toddler)		(Toddler)				
3:30 p.m.		●	127	124	127	124				
4:00 p.m.			HALF 1	HALF 2	HALF 2	HALF 1				
4:30 p.m.			●	●	●	●				





# UNIT 2 DRAFT 2017 CALENDAR: Subunit 5: Immune System and its Malignancies

Week 9

Total hrs = 20.5

Hour count (A/B)  
(Not including ASYNCH)

6.0

2.0

3.0

5.5

4.0

	Monday 12/4		Tuesday 12/5	Wednesday 12/6	Thursday 12/7	Friday 12/8
9:00 a.m.	Vulnerable Patient					
9:30 a.m.	J. Merlino	254			PBL: Ms. Jones/Mr Williams	Histo Lab: Lymphoid Neoplasms 1
10:00 a.m.	PBL: Ms. Jones/Mr Williams	Histo Lab: Hematopoeisis and primary lymphoid organs	T Cell Activation E. Hsu 250	POSSIBLE Q and A (survey students) 249	Ms. Jones/Mr Williams	S. Gottesman 161
10:30 a.m.	CS session		B Cell Activation, End-stage Diff and Ab Responses C. Roman 151	Acute Myelogenous Leukemia S. Gottesman 303	MK session HALF 1 153	Lymphoid Neoplasms 2 S. Gottesman 163
11:00 a.m.	HALF 1	B. Chaqour			HALF 2 159	
11:30 a.m.	145	HALF 2 155				
12:00 p.m.	Student Interviews of Simulated Patients					POPS:
12:30 p.m.	56 students		T Cell Effector Functions E. Hsu 255	Myelodysplastic Disorders C. Luhrs 210		Transplantation Immunology: Bone Marrow Transplant R. Coico /S. Gottesman 175
1:00 p.m.			Human Leuko Ags; ABO & Rh bld. grps. S. Kang 173	Myeloproliferative Disorders C. Luhrs 215	Histo Lab: Secondary lymphoid organs	
1:30 p.m.					PBL: Ms. Jones/Mr Williams	
2:00 p.m.	Histo Lab: Hematopoeisis and primary lymphoid organs	PBL: Ms. Jones/Mr Williams			B. Chaqour	
2:30 p.m.	B. Chaqour	CS session			MK session HALF 1 159	
3:00 p.m.	HALF 1 155	HALF 2			HALF 2 153	
3:30 p.m.						
4:00 p.m.	Student SP Interviews	12				
4:30 p.m.	students					



UNIT 2 DRAFT 2017 CALENDAR: Subunit 5: Immune System and its Malignancies

Hour count (A/B)  
(Not including ASYNCH)

3.5

6.0

1.0

4.0

Total hrs = 16.0

	Monday 12/11		Tuesday 12/12		Wednesday 12/13		Thursday 12/14		Friday 12/15			
9:00 a.m.												
9:30 a.m.			Chemotherapeutics of Hemato. Malignan's I		Immune Surveill. and Mod. in Cancer		PBL: Ms. Jones/Mr Williams		Heme Lab: Leukemia Smears			
10:00 a.m.	Path Lab:	Small Group:	C. Luhrs 167		S. Blain 94		Gottesman 169		Gottesman /Luhrs 208			
10:30 a.m.	Lymph Node Neoplasia	Abuse and Vulnerable Patients	Chemotherapeutics of Hemato Malignan's II									
11:00 a.m.	S. Gottesman		C. Luhrs 168						Study Day			
11:30 a.m.	171	157										
12:00 p.m.	□		Special: Mult. Myeloma Patient Encounter									
12:30 p.m.			S. Gottesman 31									
1:00 p.m.												
1:30 p.m.												
2:00 p.m.			iPAC		iPAC				Study Day			
2:30 p.m.	Small Group:	Path Lab:	Group B		Group A		Heme Lab: Leukemia Smears				PBL: Ms. Jones/Mr Williams	
3:00 p.m.	Abuse and Vulnerable Patients	Lymph Node Neoplasia	142		142		Gottesman /Luhrs 208				Gottesman 169	
3:30 p.m.	157	S. Gottesman	HALF 1		HALF 2							
4:00 p.m.		171	●		●							
4:30 p.m.												

Total hrs in unit = 200

	Monday 12/18	Tuesday 12/19	Wednesday 12/20	Thursday 12/21	Friday 12/22	
9:00 a.m.			<b>Study Day</b>			
9:30 a.m.						
10:00 a.m.	<b>Clinical Skills Exams</b>				<b>MK Essay Exams</b> 1 hour, 40 minutes	<b>MK NBME Exam</b> 3 hours proper + 15 min orientation
10:30 a.m.						
11:00 a.m.						
11:30 a.m.						
12:00 p.m.						
12:30 p.m.						
1:00 p.m.	<b>TBD</b>				<b>CS Essay Exams</b> 1 hour, 40 minutes	
1:30 p.m.						
2:00 p.m.						
2:30 p.m.						
3:00 p.m.						
3:30 p.m.						
4:00 p.m.				<b>CS Multiple Choice Exam</b> 1 hour, 20 minutes		
4:30 p.m.						

After finishing your exam please log on to [wbt.nbme.org/exam](http://wbt.nbme.org/exam) and follow instructions to access exam on your assigned computer. Please notify OAA if you have trouble accessing the "exam" via downstate e-mail to: **Com-Exams**